

# SNC2L Light & Optics:

Name: \_\_\_\_\_



Topic		Learning Goals & Success Criteria <i>I can....</i>	Video & Notes	Activities	Mastery Check
1	<b>Light &amp; Optics Terms</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Identify luminous (artificial &amp; natural) &amp; non-luminous objects</li> <li><input type="checkbox"/> Identify transparent, translucent &amp; opaque objects</li> <li><input type="checkbox"/> Draw ray diagrams for transparent, translucent &amp; opaque objects</li> </ul>			
2	<b>Properties of Light</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Identify &amp; label the electromagnetic spectrum</li> <li><input type="checkbox"/> Explain the properties of light including: speed, travels in straight line, travels in waves,</li> <li><input type="checkbox"/> Explain how shadows are formed</li> </ul>			
3	<b>Production of Light</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Describe &amp; explain different ways light is made including: incandescence, fluorescence, phosphorescence, electric discharge chemiluminescence, bioluminescence, LED, and lasers</li> </ul>			
4	<b>Reflection: Plane Mirrors</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Understand and apply the laws of reflection</li> <li><input type="checkbox"/> Describe the characteristics and positions of images formed by plane</li> <li><input type="checkbox"/> Draw a ray diagram to explain reflection</li> </ul>			
5	<b>Reflection: Curved Mirrors</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Describe &amp; predict characteristics of images formed by curved mirrors</li> <li><input type="checkbox"/> Explain how light reflects from curved mirrors</li> </ul>			
6	<b>Refraction</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Identify factors that affect refraction as light passes from one medium to another</li> <li><input type="checkbox"/> Explain total internal reflection</li> </ul>			
7	<b>Lenses</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Describe &amp; predict characteristics of images formed by converging lenses</li> <li><input type="checkbox"/> Explain how a converging lens affects light passing through it</li> </ul>			